

ABSTRACT

The invention relates to apparatus puncturing, or manipulating in some other way, human or animal tissues, tissue attachment being reliably detected and communicated. In particular the apparatus of the invention allows accessing the cardiac sac after the pericardium has been pierced.

The apparatus of the invention is applicable to any human or animal or organ tissue, foremost within the scope of minimally invasive surgery lacking direct visual monitoring and where it is necessary to make sure that tissue/organs be attached for purposes of manipulation, in particular puncturing, to a special, for instance puncturing apparatus. The invention is not restricted to living tissue/organs.